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Morbidity and Mortality Weekly Report

PUBLIC HEALTH SERVICE
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5131

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended November 18, 1961

Poliomyelitis – There was no further decline in reports of poliomyelitis for the week ending November 18, 1961. A total of 30 cases, 23 paralytic, is to be compared to reports of 29 cases, 22 paralytic, during the previous week. The same period in 1960 brought reports of 60 total cases, 46 paralytic.

Cumulative totals for 1961 are shown below in comparison with the previous four years.

Polio (Cumulated Weekly) Through the 46th Week
For Past Five Years

	1961	1960	1959	1958	1957
Paralytic	797	2101	5310	2790	2020
Total	1228	3025	8029	5520	5692

Only three States reported more than two cases: New York with nine cases, Michigan with four cases, and Louisiana with three. In each of these States, the origin of the cases has been from different counties.

Hepatitis – There have been 1215 cases of hepatitis reported for the week ending November 18. Though this is 173 more cases than the 1042 cases reported last week, it is too early to tell whether this reflects the beginning of a seasonal increase. The number of reported cases is still running several hundred a week more than that reported last year. This increase is generally reflected over the United States.

Table I. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	46th Week			Cumulative						Approximate seasonal low point
				First 46 weeks			Since seasonal low week			
* Weekly incidence low or sporadic --- Data not available - Quantity zero	Ended Nov. 18, 1961	Ended Nov. 19, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax-----062	1	-	*	7	17	*	*	*	*	*
Botulism-----049.1	-	-	*	5	10	*	*	*	*	*
Brucellosis (undulant fever)-----044	9	8	9	520	686	714	*	*	*	*
Diphtheria-----055	12	44	44	508	692	758	199	347	374	July 1
Encephalitis, infectious-----082	31	23	32	1,491	1,705	1,909	1,491	1,705	1,909	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,215	1,039	334	65,246	34,787	17,227	12,429	9,098	3,190	Sept. 1
Malaria-----110-117	1	1	*	56	64	*	*	*	*	*
Measles-----085	2,653	2,483	2,471	399,790	413,311	459,603	14,162	13,235	14,407	Sept. 1
Meningitis, aseptic-----340 pt.	48	58	---	2,909	2,751	---	2,909	2,751	---	Jan. 1
Meningococcal infections-----057	44	41	41	1,892	1,952	2,234	377	414	450	Sept. 1
Poliomyelitis-----080	30	63	162	1,228	3,025	5,680	1,125	2,814	5,229	Apr. 1
Paralytic-----080.0,080.1	23	48	109	797	2,101	2,010	737	1,936	2,595	Apr. 1
Nonparalytic-----080.2	3	11	37	291	614	2,748	266	588	1,844	Apr. 1
Unspecified-----080.3	4	4	16	140	310	922	122	290	790	Apr. 1
Psittacosis-----096.2	2	2	*	58	90	*	*	*	*	*
Rabies in man-----094	-	-	*	3	2	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	5,561	5,759	---	279,568	270,041	---	60,357	---	---	Aug. 1
Typhoid fever-----040	29	12	22	745	746	949	631	615	769	Apr. 1
Typhus fever, endemic-----101	2	1	*	39	59	*	*	*	*	*
Rabies in animals-----	59	41	58	3,048	3,072	3,814	414	301	431	Oct. 1

Figures For Current Week Exclude Missing Report From Alaska
Anthrax - South Carolina 1

Infectious Encephalitis – Cases of acute infectious encephalitis are reported on a weekly basis to the Communicable Disease Center. These cases, based largely on clinical diagnosis, include a variety of central nervous system infections and related diseases. The total of such cases through the 46th week of 1961 is 1491. This figure, in comparison with previous years, reflects a decline in incidence. Although a variety of factors can be postulated as contributing to this decline, the one most apparent is the absence of a summer-fall peak for reported cases. Such a peak has been found in past years, to correlate with outbreaks of arthropod-borne encephalitis. In 1960, and again this year, there has been very little activity of these viruses. With the onset of winter-like conditions throughout most of the country, the arbovirus season, from late July to early October, has passed and it is unlikely that further cases will occur. Review of special reports received from State epidemiologists and others reveals limited evidence of the presence of arbovirus activity but shows almost complete absence of human involvement this year. California and Utah the only States reporting human cases have each had three serologically confirmed cases. One of the California cases was Western encephalitis and the other two were St. Louis encephalitis; two of the Utah cases were Western encephalitis while the other one was a mixed St. Louis and Western encephalitis infection. Texas, with 22 cases last year, has yet to confirm its first arbovirus infection in 1961. Sporadic isolations of virus from mosquito pools and evidence serologically of equine illness in New Mexico, Arizona and Wyoming are testimony to the continued presence of the arboviruses. The outbreaks of Eastern encephalitis among pheasant flocks in Florida and Connecticut were reported in Morbidity and Mortality Report Vol. 10, No. 45, November 17, 1961.

EPIDEMIOLOGICAL REPORTS

Acute Respiratory Disease – Arizona

An epidemic of an influenza-like illness has been reported from Northeastern Arizona. The epidemic began in early November on the Hopi Indian Reservation, which has a population of approximately 3,500. An estimated 200-300 Hopi, primarily grade school children have been affected.

The disease is characterized by sudden onset of malaise with fever usually not above 103°. Muscle aches in the legs, arms, neck, and back are seen in most patients. A mild sore throat with cough is reported by a large percentage of patients. Frontal headache, vertigo, and epistaxis are some of the other characteristic symptoms. Photophobia and diarrhea have not been present. Physical examination generally has been unrevealing with clear chests and no significant throat findings. As could best be determined, the illness lasts for five or six days. None of the cases has been hospitalized. There have been no fatalities.

The epidemic is most active in the grade schools on the reservation where school absenteeism over the last two weeks has exceeded 10 percent, a rate higher than recorded at any time since 1955. It has been difficult to define the extent of the involvement of the adult Hopi population. Laboratory studies will be performed at the International Influenza Center for the Americas at the Communicable Disease Center, Atlanta, Georgia.

Reports from the State of Arizona Health Department indicate a high incidence of upper respiratory disease in a number of areas throughout the State. However no reports of influenza-like illness have been received from any other State.

(Reported by Dr. Emory Johnson, Asst. Area Medical Officer, Indian Health Service; Dr. David Templin, Medical Officer in Charge at Keans Canyon Indian Hospital; and Dr. Jack Eason, Acting Director of Health, Arizona State Department of Health).

Anthrax – Massachusetts

On July 16 a seven year old boy was hospitalized in Beverly, Massachusetts because of a painful, black ulceration on the neck, which yielded *Bacillus anthracis* on culture. His fever and general intoxication responded promptly to parenteral penicillin therapy and he was discharged, recovered after 12 days. The infection was most probably contracted through his father's place of employment, a goat hide tannery, which the child had visited on numerous occasions. Exposure was possible both on the plant grounds and via his father's work clothes, which were worn home unchanged. Analysis of the work clothes and a small number of surface swabs obtained at the tannery failed to grow *Bacillus anthracis*.

The number of culture documented cases of *B. anthracis* infections in the United States is gradually falling (38 in 1955, 23 in 1960). Both the indolent cutaneous ulcers and the more virulent inhalation form of the disease usually are directly traceable to exposure during industrial processing of imported goat hides or hair. The processing mills importing these materials from Pakistan, India, and Africa, are located along the East Coast of the United States. Recent cases of anthrax have occurred in and near plants in Philadelphia, Pennsylvania, South Carolina, and New Hampshire. Because contamination with *B. anthracis* is present in as many as 50 percent of

(Continued on page 8)

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 19, 1960 AND NOVEMBER 18, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic 080.2			
	46th Week		Cumulative, first 46 weeks		46th Week		Cumulative, first 46 weeks				340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	30	63	1,228	3,025	23	48	797	2,101	3	11	48	9
NEW ENGLAND	2	1	35	226	2	1	25	178	-	-	3	-
Maine	-	1	4	47	-	1	4	46	-	-	-	-
New Hampshire	-	-	2	-	-	-	-	-	-	-	1	-
Vermont	1	-	9	11	1	-	8	6	-	-	-	-
Massachusetts	1	-	14	31	1	-	9	20	-	-	2	-
Rhode Island	-	-	1	102	-	-	1	78	-	-	-	-
Connecticut	-	-	5	35	-	-	3	28	-	-	-	-
MIDDLE ATLANTIC	10	10	328	451	6	9	219	320	1	-	3	-
New York	9	4	241	245	5	3	155	159	1	-	1	-
New Jersey	-	-	35	82	-	-	28	60	-	-	-	-
Pennsylvania	1	6	52	124	1	6	36	101	-	-	2	-
EAST NORTH CENTRAL	6	13	164	516	5	12	103	317	-	-	17	2
Ohio	1	3	46	119	-	2	21	62	-	-	-	-
Indiana	-	4	18	129	-	4	10	97	-	-	3	-
Illinois	1	3	34	141	1	3	17	94	-	-	9	2
Michigan	4	3	34	92	4	3	30	53	-	-	4	-
Wisconsin	-	-	32	35	-	-	25	11	-	-	1	-
WEST NORTH CENTRAL	-	2	72	173	-	-	32	101	-	2	3	4
Minnesota	-	1	6	54	-	-	6	44	-	1	2	1
Iowa	-	-	18	21	-	-	9	4	-	-	-	2
Missouri	-	1	24	44	-	-	7	32	-	1	1	-
North Dakota	-	-	4	14	-	-	1	5	-	-	-	-
South Dakota	-	-	3	5	-	-	1	1	-	-	-	-
Nebraska	-	-	8	16	-	-	4	9	-	-	-	1
Kansas	-	-	9	19	-	-	4	6	-	-	-	-
SOUTH ATLANTIC	6	13	211	566	6	9	154	447	-	4	1	-
Delaware	-	-	2	-	-	-	1	-	-	-	-	-
Maryland	2	6	41	150	2	5	31	135	-	1	-	-
District of Columbia	-	-	3	5	-	-	3	5	-	-	-	-
Virginia	-	2	11	44	-	1	11	40	-	1	-	-
West Virginia	1	1	32	58	1	1	22	47	-	-	-	-
North Carolina	-	1	21	90	-	-	11	67	-	1	-	-
South Carolina	1	2	34	129	1	2	26	87	-	-	-	-
Georgia	-	-	30	23	-	-	23	21	-	-	-	-
Florida	2	1	37	67	2	-	26	45	-	1	1	-
EAST SOUTH CENTRAL	1	7	83	242	-	6	48	100	1	1	1	1
Kentucky	-	-	27	130	-	-	5	5	-	-	-	-
Tennessee	-	3	20	48	-	2	9	31	-	1	-	1
Alabama	-	2	11	23	-	2	11	23	-	-	-	-
Mississippi	1	2	25	41	-	2	23	41	1	-	1	-
WEST SOUTH CENTRAL	5	6	150	277	4	5	83	175	1	1	1	1
Arkansas	-	-	20	31	-	-	9	23	-	-	-	1
Louisiana	3	1	54	49	3	1	43	30	-	-	-	-
Oklahoma	-	-	4	17	-	-	-	12	-	-	-	-
Texas	2	5	72	180	1	4	31	110	1	1	1	-
MOUNTAIN	-	5	45	92	-	1	26	47	-	2	10	1
Montana	-	-	4	21	-	-	2	15	-	-	-	-
Idaho	-	1	14	10	-	-	6	1	-	-	-	-
Wyoming	-	1	-	20	-	-	-	1	-	-	-	-
Colorado	-	-	8	19	-	-	8	18	-	-	-	-
New Mexico	-	-	3	7	-	-	-	4	-	-	1	-
Arizona	-	3	8	8	-	1	6	6	-	2	9	-
Utah	-	-	8	7	-	-	4	2	-	-	-	1
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	-	6	140	482	-	5	107	416	-	1	9	-
Washington	-	2	25	36	-	2	17	36	-	-	1	-
Oregon	-	-	17	36	-	-	8	19	-	-	-	-
California	-	3	93	400	-	2	77	351	-	1	8	-
Alaska	---	-	-	2	---	-	-	2	---	-	---	---
Hawaii	-	1	5	8	-	1	5	8	-	-	-	-
Puerto Rico	-	1	7	492	-	1	7	483	-	-	1	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 19, 1960 AND NOVEMBER 18, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

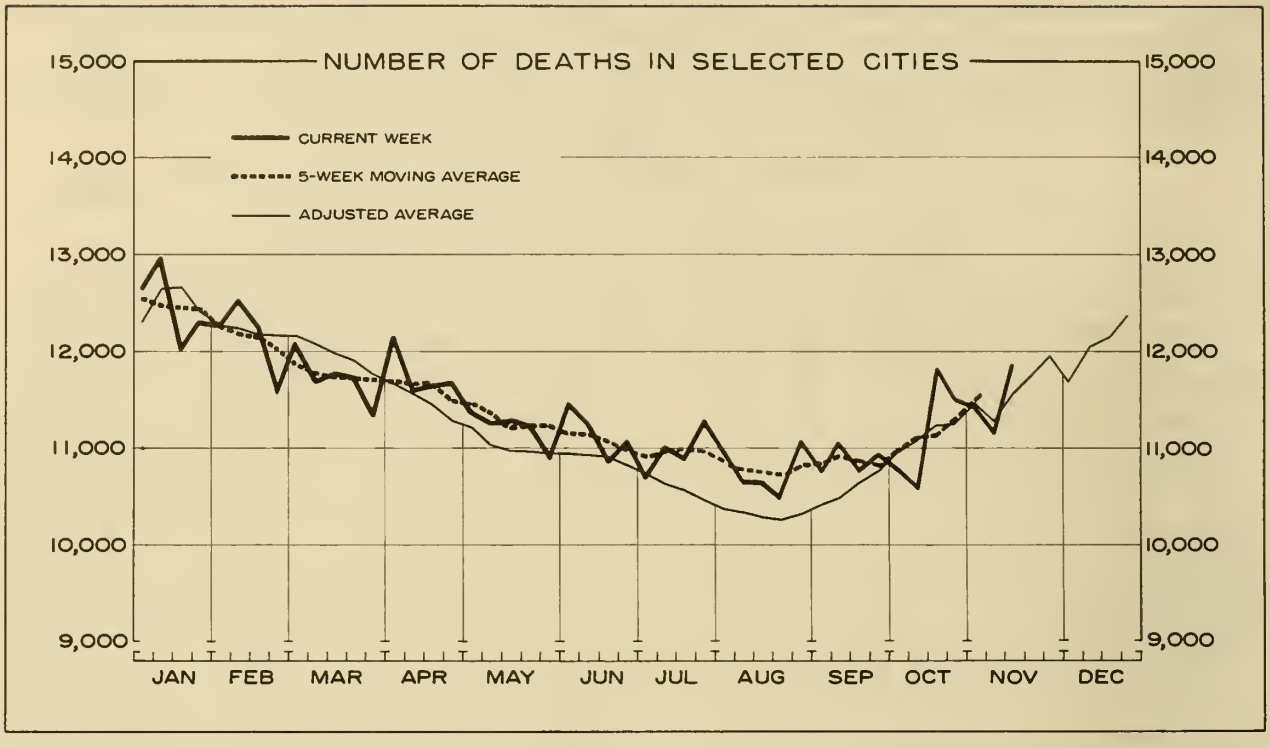
Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	46th Week		Cumulative, first 46 weeks		082		46th Week		Cumulative, first 46 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	12	44	508	692	31	23	1,215	1,039	65,246	34,787	2,653	2,483
NEW ENGLAND	-	-	8	12	2	-	46	24	2,118	998	527	186
Maine	-	-	-	2	1	-	4	5	151	68	171	7
New Hampshire	-	-	-	-	-	-	6	3	193	30	59	7
Vermont	-	-	-	-	1	-	-	1	187	16	12	5
Massachusetts	-	-	7	9	-	-	29	9	901	490	231	108
Rhode Island	-	-	-	1	-	-	1	3	233	190	4	18
Connecticut	-	-	1	-	-	-	6	3	453	204	50	41
MIDDLE ATLANTIC	-	1	20	16	9	3	125	153	8,804	4,300	231	640
New York	-	-	7	4	7	2	49	68	3,793	2,329	117	301
New Jersey	-	-	-	2	-	-	34	19	2,080	309	51	84
Pennsylvania	-	1	13	10	2	1	42	66	2,931	1,662	63	255
EAST NORTH CENTRAL	-	-	16	41	7	2	257	216	13,008	6,258	356	590
Ohio	-	-	1	16	2	1	85	75	4,315	2,148	21	146
Indiana	-	-	2	7	-	-	24	29	1,914	717	49	54
Illinois	-	-	10	6	4	-	42	52	2,384	1,362	124	28
Michigan	-	-	3	10	1	1	96	58	4,067	1,811	102	114
Wisconsin	-	-	-	2	-	-	10	2	328	220	60	248
WEST NORTH CENTRAL	-	3	46	50	1	-	160	66	6,256	2,418	193	161
Minnesota	-	3	30	26	-	-	62	31	1,462	403	11	5
Iowa	-	-	2	8	-	-	18	6	1,815	386	102	68
Missouri	-	-	1	2	-	-	38	16	1,357	823	-	8
North Dakota	-	-	4	2	-	-	2	2	132	167	36	78
South Dakota	-	-	7	9	-	-	2	-	191	141	44	1
Nebraska	-	-	2	1	1	-	9	6	613	246	-	1
Kansas	-	-	-	2	-	-	29	5	686	252	NN	NN
SOUTH ATLANTIC	6	7	124	209	2	2	167	112	8,281	4,017	184	229
Delaware	-	-	-	-	1	-	1	2	177	245	2	35
Maryland	-	-	1	1	1	-	11	21	718	406	25	5
District of Columbia	-	-	3	-	-	-	3	1	124	54	3	1
Virginia	-	3	15	39	-	-	37	13	1,373	716	51	60
West Virginia	-	-	1	4	-	-	26	30	1,454	760	76	27
North Carolina	-	-	10	14	-	-	54	10	1,915	367	11	15
South Carolina	3	3	13	50	-	-	9	3	446	146	1	76
Georgia	3	-	39	34	-	-	10	1	721	254	-	3
Florida	-	1	42	67	-	2	16	31	1,353	1,069	15	7
EAST SOUTH CENTRAL	1	22	39	102	-	3	152	131	9,755	4,916	203	105
Kentucky	-	13	9	29	-	1	45	23	2,846	1,721	31	62
Tennessee	-	1	3	8	-	1	69	64	3,825	1,654	139	41
Alabama	1	1	20	33	-	-	16	26	1,666	1,068	12	1
Mississippi	-	7	7	32	-	1	22	18	1,418	473	21	1
WEST SOUTH CENTRAL	5	11	235	225	4	3	83	72	4,718	2,685	255	96
Arkansas	-	-	4	16	1	-	19	8	924	191	2	1
Louisiana	-	5	28	61	-	-	18	4	522	157	-	-
Oklahoma	-	1	9	25	-	-	7	9	320	318	52	7
Texas	5	5	194	123	3	3	39	51	2,952	2,019	201	88
MOUNTAIN	-	-	12	36	1	-	60	63	3,804	2,693	263	151
Montana	-	-	2	3	-	-	5	12	325	146	100	22
Idaho	-	-	-	11	-	-	2	8	279	295	11	28
Wyoming	-	-	-	5	-	-	-	2	154	31	30	5
Colorado	-	-	4	3	-	-	25	22	1,281	983	28	38
New Mexico	-	-	5	4	1	-	1	2	418	296	NN	-
Arizona	-	-	-	3	-	-	15	14	618	592	26	40
Utah	-	-	-	7	-	-	12	3	599	254	68	18
Nevada	-	-	1	-	-	-	-	-	130	96	-	-
PACIFIC	-	-	8	1	5	10	165	202	8,502	6,502	441	325
Washington	-	-	2	-	-	-	19	41	975	851	202	84
Oregon	-	-	-	-	-	1	28	30	1,343	1,031	70	91
California	-	-	2	-	5	9	113	127	5,726	4,321	168	146
Alaska	---	-	4	1	---	-	---	4	391	221	---	3
Hawaii	-	-	-	-	-	-	5	-	67	78	1	1
Puerto Rico	-	7	57	129	-	-	19	23	897	684	34	42

NN-Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 19, 1960 AND NOVEMBER 18, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningoccocal infections		Psitta-cosis	Strepto-coccal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
						46th Week		Cumulative, first 46 weeks				
	110-117	057		096.2	050,051					101		
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	1	44	41	2	5,561	29	12	745	746	2	59	41
NEW ENGLAND	-	4	6	-	239	-	-	20	11	-	-	-
Maine	-	3	-	-	8	-	-	1	2	-	-	-
New Hampshire	-	-	1	-	2	-	-	-	-	-	-	-
Vermont	-	1	1	-	2	-	-	-	-	-	-	-
Massachusetts	-	-	3	-	32	-	-	14	5	-	-	-
Rhode Island	-	-	-	-	22	-	-	2	-	-	-	-
Connecticut	-	-	1	-	173	-	-	3	4	-	-	-
MIDDLE ATLANTIC	-	8	5	1	192	4	1	92	53	-	4	4
New York	-	6	-	-	110	4	1	51	33	-	4	4
New Jersey	-	1	1	-	24	-	-	17	6	-	-	-
Pennsylvania	-	1	4	1	58	-	-	24	14	-	-	-
EAST NORTH CENTRAL	-	10	9	-	294	7	2	98	95	-	5	3
Ohio	-	1	2	-	52	6	1	39	27	-	-	1
Indiana	-	1	-	-	56	1	-	21	24	-	1	2
Illinois	-	2	2	-	61	-	-	29	21	-	-	-
Michigan	-	4	5	-	51	-	1	6	16	-	3	-
Wisconsin	-	2	-	-	74	-	-	3	7	-	1	-
WEST NORTH CENTRAL	-	2	1	-	204	-	1	34	46	-	20	7
Minnesota	-	1	-	-	23	-	-	5	1	-	3	3
Iowa	-	-	-	-	33	-	-	2	11	-	6	1
Missouri	-	-	-	-	14	-	-	20	24	-	5	2
North Dakota	-	-	-	-	85	-	-	-	1	-	1	-
South Dakota	-	-	-	-	-	-	1	3	4	-	4	1
Nebraska	-	1	1	-	-	-	-	1	3	-	1	-
Kansas	-	-	-	-	49	-	-	3	2	-	-	-
SOUTH ATLANTIC	1	6	3	-	514	10	2	126	113	1	7	7
Delaware	-	3	-	-	-	-	-	1	1	-	-	-
Maryland	-	-	-	-	8	-	1	3	6	-	-	-
District of Columbia	-	-	-	-	7	1	1	13	9	-	-	-
Virginia	-	-	1	-	107	1	-	20	24	-	-	3
West Virginia	-	2	-	-	139	-	-	10	12	-	6	4
North Carolina	-	-	2	-	40	2	-	16	9	-	-	-
South Carolina	-	-	-	-	15	-	-	8	12	-	-	-
Georgia	-	-	-	-	1	2	-	36	27	1	-	-
Florida	1	1	-	-	197	4	-	19	13	-	1	-
EAST SOUTH CENTRAL	-	2	6	-	965	3	3	80	114	-	5	9
Kentucky	-	-	2	-	62	-	1	18	29	-	3	1
Tennessee	-	1	3	-	846	3	-	50	55	-	2	5
Alabama	-	1	1	-	17	-	1	10	23	-	-	3
Mississippi	-	-	-	-	40	-	1	2	7	-	-	-
WEST SOUTH CENTRAL	-	3	5	-	743	5	2	155	201	-	16	9
Arkansas	-	1	-	-	17	2	2	31	52	-	2	2
Louisiana	-	2	4	-	4	-	-	25	59	-	-	-
Oklahoma	-	-	1	-	23	-	-	12	12	-	-	-
Texas	-	-	-	-	699	3	-	87	78	-	14	7
MOUNTAIN	-	1	-	-	1,405	-	-	62	45	-	2	-
Montana	-	-	-	-	75	-	-	18	13	-	-	-
Idaho	-	-	-	-	74	-	-	1	3	-	-	-
Wyoming	-	-	-	-	37	-	-	3	4	-	-	-
Colorado	-	1	-	-	411	-	-	7	1	-	-	-
New Mexico	-	-	-	-	351	-	-	17	12	-	-	-
Arizona	-	-	-	-	245	-	-	10	10	-	2	-
Utah	-	-	-	-	212	-	-	2	2	-	-	-
Nevada	-	-	-	-	-	-	-	4	-	-	-	-
PACIFIC	-	8	6	1	1,005	-	1	78	68	1	-	2
Washington	-	1	2	-	274	-	-	7	5	-	-	-
Oregon	-	-	-	-	31	-	-	1	8	-	-	-
California	-	7	4	1	673	-	1	68	54	-	-	2
Alaska	---	---	-	---	---	---	-	-	1	---	---	-
Hawaii	-	-	-	-	27	-	-	2	-	1	-	-
Puerto Rico	-	1	-	-	-	1	1	22	20	-	2	-



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4.)

Area	46th week ended Nov. 18, 1961	45th week ended Nov. 11, 1961	Adjusted average, 46th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 46 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	11,859	11,161	11,559	+2.6	525,402	527,913	-0.5
New England (14 cities)	739*	768	684	+8.0	32,373	33,181	-2.4
Middle Atlantic (20 cities)	3,386*	2,970	3,110	+8.9	149,240	146,789	+1.7
East North Central (21 cities)	2,621	2,453	2,474	+5.9	112,402	114,394	-1.7
West North Central (9 cities)	769	789	845	-9.0	35,845	36,710	-2.4
South Atlantic (11 cities)	987	961	981	+0.6	45,404	45,236	+0.4
East South Central (8 cities)	560	512	531	+5.5	23,744	23,820	-0.3
West South Central (13 cities)	987	874	1,062	-7.1	44,872	45,962	-2.4
Mountain (8 cities)	368*	341	368	0.0	16,785	16,542	+1.5
Pacific (13 cities)	1,442*	1,493	1,504	-4.1	64,737	65,279	-0.8

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	46th week ended Nov. 18, 1961	45th week ended Nov. 11, 1961	Cumulative, first 46 weeks 1961	Cumulative, first 46 weeks 1960
NEW ENGLAND:				
Boston, Mass.	256	264	11,116	11,559
Bridgeport, Conn.	55	60	1,793	1,877
Cambridge, Mass.	24	25	1,338	1,419
Fall River, Mass.	35	32	1,273	1,290
Hartford, Conn.	46	69	2,235	2,251
Lowell, Mass.	38	46	1,150	1,093
Lynn, Mass.	25	23	1,001	1,115
New Bedford, Mass.	25*	27	1,188	1,137
New Haven, Conn.	33	29	2,067	2,048
Providence, R.I.	64	65	2,855	2,942
Somerville, Mass.	13	7	600	606
Springfield, Mass.	48	38	2,030	2,083
Waterbury, Conn.	20	25	1,209	1,272
Worcester, Mass.	57	58	2,518	2,489
MIDDLE ATLANTIC:				
Albany, N.Y.	54	57	2,130	1,987
Allentown, Pa.	30	32	1,567	1,600
Buffalo, N.Y.	156*	141	6,673	6,616
Camden, N.J.	37	43	1,931	1,951
Elizabeth, N.J.	37	26	1,371	1,353
Erie, Pa.	34	32	1,783	1,775
Jersey City, N.J.	95	49	3,175	3,244
Newark, N.J.	101*	86	4,648	4,469
New York City, N.Y.	1,674	1,586	76,179	74,951
Paterson, N.J.	43	36	1,787	1,755
Philadelphia, Pa.	512	406	23,176	22,316
Pittsburgh, Pa.	233	90	8,751	8,830
Reading, Pa.	21	20	1,071	1,091
Rochester, N.Y.	107	110	4,659	4,622
Schenectady, N.Y.	23	22	1,110	1,076
Scranton, Pa.	36	34	1,618	1,727
Syracuse, N.Y.	86	74	2,831	2,876
Trenton, N.J.	43	43	2,056	1,888
Utica, N.Y.	32	50	1,309	1,245
Yonkers, N.Y.	32	33	1,415	1,417
EAST NORTH CENTRAL:				
Akron, Ohio	57	56	2,628	2,598
Canton, Ohio	38	38	1,449	1,596
Chicago, Ill.	817	751	34,045	35,237
Cincinnati, Ohio	189	153	7,186	7,202
Cleveland, Ohio	225	198	9,318	9,690
Columbus, Ohio	144	109	5,259	5,447
Dayton, Ohio	75	66	3,655	3,464
Detroit, Mich.	350	352	15,237	15,553
Evansville, Ind.	38	28	1,657	1,700
Flint, Mich.	40	41	1,950	1,847
Fort Wayne, Ind.	36	38	1,744	1,687
Gary, Ind.	27	27	1,406	1,405
Grand Rapids, Mich.	50	51	2,078	1,884
Indianapolis, Ind.	126	149	6,540	6,670
Madison, Wis.	43	51	1,527	1,492
Milwaukee, Wis.	103	119	5,626	5,734
Peoria, Ill.	40	21	1,307	1,391
Rockford, Ill.	35	27	1,307	1,321
South Bend, Ind.	34	23	1,310	1,349
Toledo, Ohio	96	100	4,516	4,595
Youngstown, Ohio	58	55	2,657	2,532
WEST NORTH CENTRAL:				
Des Moines, Iowa	55	43	2,468	2,518
Duluth, Minn.	21	36	1,183	1,162
Kansas City, Kans.	33	40	1,728	1,611
Kansas City, Mo.	112	132	5,855	5,767
Lincoln, Nebr.	(28)	(33)	(1,279)	(1,196)
Minneapolis, Minn.	116	135	5,434	5,748
Omaha, Nebr.	73	62	3,182	3,372
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	222	223	10,826	11,216
St. Paul, Minn.	82	61	3,028	3,182
Wichita, Kans.	55	57	2,141	2,134
SOUTH ATLANTIC:				
Atlanta, Ga.	120	118	5,226	5,393
Baltimore, Md.	225	249	11,247	11,504
Charlotte, N.C.	20	48	1,658	1,784
Jacksonville, Fla.	66	50	2,657	2,712
Miami, Fla.	94	60	3,473	3,281
Norfolk, Va.	44	64	2,279	1,836
Richmond, Va.	89	74	3,560	3,566
Savannah, Ga.	26	33	1,493	1,551
St. Petersburg, Fla.	(51)	(67)	(3,069)	(3,235)
Tampa, Fla.	55	38	2,978	3,002
Washington, D.C.	206	186	9,008	8,854
Wilmington, Del.	42	41	1,825	1,753
EAST SOUTH CENTRAL:				
Birmingham, Ala.	89	81	3,918	3,885
Chattanooga, Tenn.	40	46	2,144	2,156
Knoxville, Tenn.	40	43	1,281	1,288
Louisville, Ky.	121	128	5,199	5,201
Memphis, Tenn.	119	84	5,163	5,079
Mobile, Ala.	38	35	1,844	1,897
Montgomery, Ala.	39	33	1,487	1,581
Nashville, Tenn.	74	62	2,708	2,733
WEST SOUTH CENTRAL:				
Austin, Tex.	33	33	1,552	1,545
Baton Rouge, La.	23	31	1,290	1,314
Corpus Christi, Tex.	27	30	1,014	1,076
Dallas, Tex.	125	98	5,711	5,711
El Paso, Tex.	37	25	1,603	1,741
Fort Worth, Tex.	72	66	2,970	3,043
Houston, Tex.	168	111	7,568	7,690
Little Rock, Ark.	39	57	2,576	2,621
New Orleans, La.	198	140	7,726	8,200
Oklahoma City, Okla.	89	72	3,397	3,453
San Antonio, Tex.	95	92	4,642	4,577
Shreveport, La.	49	64	2,321	2,478
Tulsa, Okla.	32	55	2,502	2,513
MOUNTAIN:				
Albuquerque, N. Mex.	47	35	1,465	1,462
Colorado Springs, Colo.	9	14	751	762
Denver, Colo.	100	95	5,283	5,490
Ogden, Utah	20	19	776	755
Phoenix, Ariz.	80	80	3,760	3,478
Pueblo, Colo.	17*	13	774	750
Salt Lake City, Utah	51	45	2,212	2,223
Tucson, Ariz.	44	40	1,764	1,622
PACIFIC:				
Berkeley, Calif.	12	9	776	767
Fresno, Calif.	(37)	(42)	(1,981)	---
Glendale, Calif.	(36)	(33)	(1,535)	(1,695)
Honolulu, Hawaii	42	43	1,850	1,890
Long Beach, Calif.	69	54	2,555	2,506
Los Angeles, Calif.	514	536	22,912	22,951
Oakland, Calif.	91	117	4,465	4,359
Pasadena, Calif.	35*	42	1,532	1,572
Portland, Oreg.	115	122	4,906	5,020
Sacramento, Calif.	61	69	2,847	2,655
San Diego, Calif.	103	56	4,082	4,192
San Francisco, Calif.	169	201	8,896	9,037
San Jose, Calif.	(36)	(46)	(1,610)	(1,589)
Seattle, Wash.	134	134	5,978	6,267
Spokane, Wash.	61	61	2,186	2,202
Tacoma, Wash.	36	49	1,752	1,861
San Juan, P. R.	(32)	(30)	(1,524)	(1,626)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

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the imported goat hides and bales of goat hair tested, prophylactic immunization of plant personnel with vaccine proved 92 percent effective, has been used in many areas since 1955. Limited supplies of an experimental vaccine are available on request from the Anthrax Surveillance Unit, Communicable Disease Center, Atlanta, Georgia.

QUARANTINE MEASURES

Immunization Information for International Travel

No Changes Reported

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases oi anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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